

RECEIVED
CENTRAL FAX CENTER

JUL 25 2007

REMARKS

The Office Action of 04/24/2007 has been carefully considered. Reconsideration in view of the foregoing amendments and the present remarks is respectfully requested.

A REPLACEMENT SHEET in which labels are supplied in the Figure has been provided as requested. Also, the specification has been amended as requested.

Claims 1, 4, and 6-9 were rejected as being anticipated by Besson. Claim 2 was rejected as being unpatentable over Besson in view of Wilcox. Claim 3 was rejected as being unpatentable over Besson in view of Lindholm. Claims 5 and 10 were rejected as being unpatentable over Besson in view of Schweickert. These rejections are respectfully traversed and reconsideration respectfully requested.

The rejection states in part:

Re claims 1, 4, 6-9, Besson discloses phase detector (phase-shift measurement) (column 1 line 24, 25) and method of phase detection of electrical signal comprising at least one differential signal of two input signals (S1, S2) may be formed over at least one predefined period by means of a first subtractor (40, 50) at least one maximum value of the at one differential signal may be detected by means of a first peak detector (43, 53) (peak voltage) (column 4 line 35) and at least one minimum value of the at least one differential signal may be detected by means of a second peak detector (44, 54) and at least one further differential signal may be formed from the at least one maximum value and the at least one minimum value by means of a second subtractor (COMPUTER performs subtraction $\phi_1 - \phi_2$) (column 6 line 25 (Fig. 5).

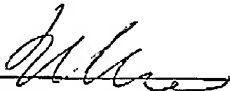
Applicant respectfully disagrees.

The pair of limiters 40, 50 cannot reasonably be called a subtractor. The function of the limiters is described at col. 3, lines 27-29 of Besson: "The limiting amplifier 10 makes it possible to do away with the differences in amplitude that may affect the rising edge of the signal." Far from forming a difference signal, in Besson, amplitude information is of no consequence and is "thrown away".

The pair of resonant filters 43, 53 cannot reasonably be called a peak detector, nor can the pair of resonant filters 44, 54 reasonably be called a peak detector. A peak detector produces a DC voltage proportional to a maximum (or minimum) value of an applied periodic signal. In Besson, the periodic signals generated by the resonant filters are simply described mathematically in terms of a peak voltage for purposes of analysis.

Withdrawal of the rejections and allowance of claims 1-10 is respectfully requested.

Respectfully submitted,



Michael J. Ure, Reg. 33,089

Dated: 07/24/2007